

Bridge Inspection										
Bridge File Number	81002 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1994/1994				Lot No.	3				
Bridge or Town Name	ROCKY MT HOU				Inspector Name	Owen Salava				
Located Over	PRAIRIE CREEK, 6.159.2, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	752:02 C1 9.104				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	09-Feb-2012				
Legal Land Location	NE SEC 35 TWP 36 RGE 11 W5M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-115:27:31, 52:08:33				Data Entry Date	07-Mar-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA18				Review Date	23-Feb-2012				
Clear Roadway/Skew	10.4 / -30 deg. (LHF)				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	150 / 2010 (A)				Dept. Review Date	09-Mar-2012				
Road Classification	RCU-209G-90				Follow-Up By					
Detour Length (km)	50									
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62		----> On Critical Spans ---->Critical Member
Design Loading:	CS750									----> Primary Span

Posting Information										
Required Load Posting (t)	Single				Semi				Truck Train	
Posted Loading (t)	Single				Semi				Truck Train	
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No		
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No		
Remarks	Not required.									
Hazard Marker At Bridge (Y/N)	Yes									
Remarks	All 4 corners, too high.									
Other Sign Types										

Utilities (Located at)											
Utility Attachments											
Telephone					Gas						
Power					Municipal						
Others					Problem (Y/N)	No					
Remarks											

Approach Road										
		Last	Now	Explanation of Condition						
Horizontal Alignment		6	6	Curves each end. 9.0km North of jct Hwy 734.						
Vertical Alignment		7	7							
Roadway Width (m)	10.000									
Approach Bump		6	6							
Guardrail (Y/N)		Yes		(Turndown end broken off SW corner - photo. 05Jul2005) - Unable to verify due to snow.						
Guardrail		4	4							
Length (m)	15.200									
Current Standard (Y/N)		No		Insufficient posts/spacing.						
Termination Type		TURNDOWN								
Drainage		7	7							
Approach Road General Rating		6	6							

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SC, 1 Spans, Lengths(m): 8, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.
Last	0	0	0	0	
Now	100.0	0.0	0.0	0.0	
Wearing Surface			X	X	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			X	N	Buffer angles. Snow covered.
Bump (Y/N)		No			
Deck Drainage			5	5	(Hampered by gravel on deck. 05Jul2005). No deck drains.
Drains Clogged (Y/N)					
Curbs/Median			7	N	Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			7	7	Finish on West curb girder peeling.
Last Complete Inspection Date		09-Feb-2012			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 10)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			7	7	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 2100)					
(Total Number of Caps/Corbels : 1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			8	8	
(Type : STEEL)					
(Depth(mm) : 310)					
(Width(mm) : 310)					
Backwalls/Breastwalls			8	8	
Greatest Height (m)		2.20			
Wingwalls			8	8	
(Total Number of Bearing Piles : 7:7)			310x94 HP anchored.		
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles			8	8	
Paint/Coating			8	8 Galvanized - wing piles are not galvanized.	
Abutment Stability			8	8	
Scour/Erosion			3	6	
Piers/Bents					
(Type :)					
(Total Number of Caps/Corbels :)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Bearing Seats/Caps/Corbels			X	X	
(Type :)					
(Depth(mm) :)					
(Width(mm) :)					
(Total Number of Bearing Piles :)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Pier Shaft/Piles			X	X	
Greatest Height (m)					
Bracing/Struts/Sheathing			X	X	
Nose Plate			X	X	
Paint/Coating			X	X	
(Colour Description :)					
(Colour Code :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				E alignment impacts NE wing/embankment.
(D/S Direction : W)				
Alignment		4	4	
Bank Stability		3	6	
HWM (m below Top of Curb)				(0.3m above bottom of girders. 05Jul2005).
Drift (Y/N)	No			
Slope Protection		3	6	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		4	4	(0.3m above bottom of girder 05Jul2005).
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		3	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Replace broken turndown end (SW), if not yet done.					
OTHER ACTION	2012	Reinstall hazard marker to meet standard.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	80.2/71.1	Est. Repl. Yr	2047	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Dave Lam		Previous Assistant's Name				
Next Inspection Date	09-May-2015		Previous Inspection Date	05-Jul-2005			
Inspection Cycle (Default) (months)	39						
Comment							